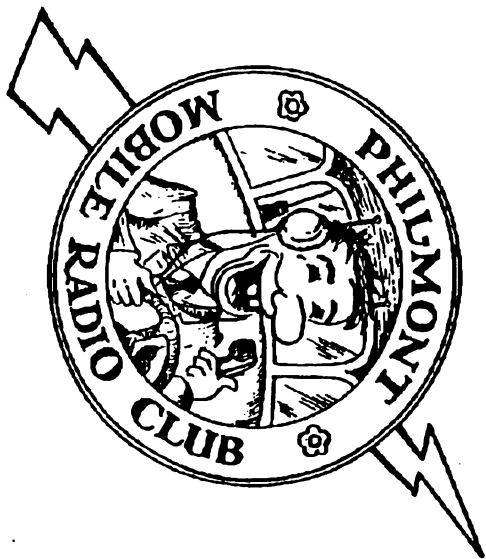
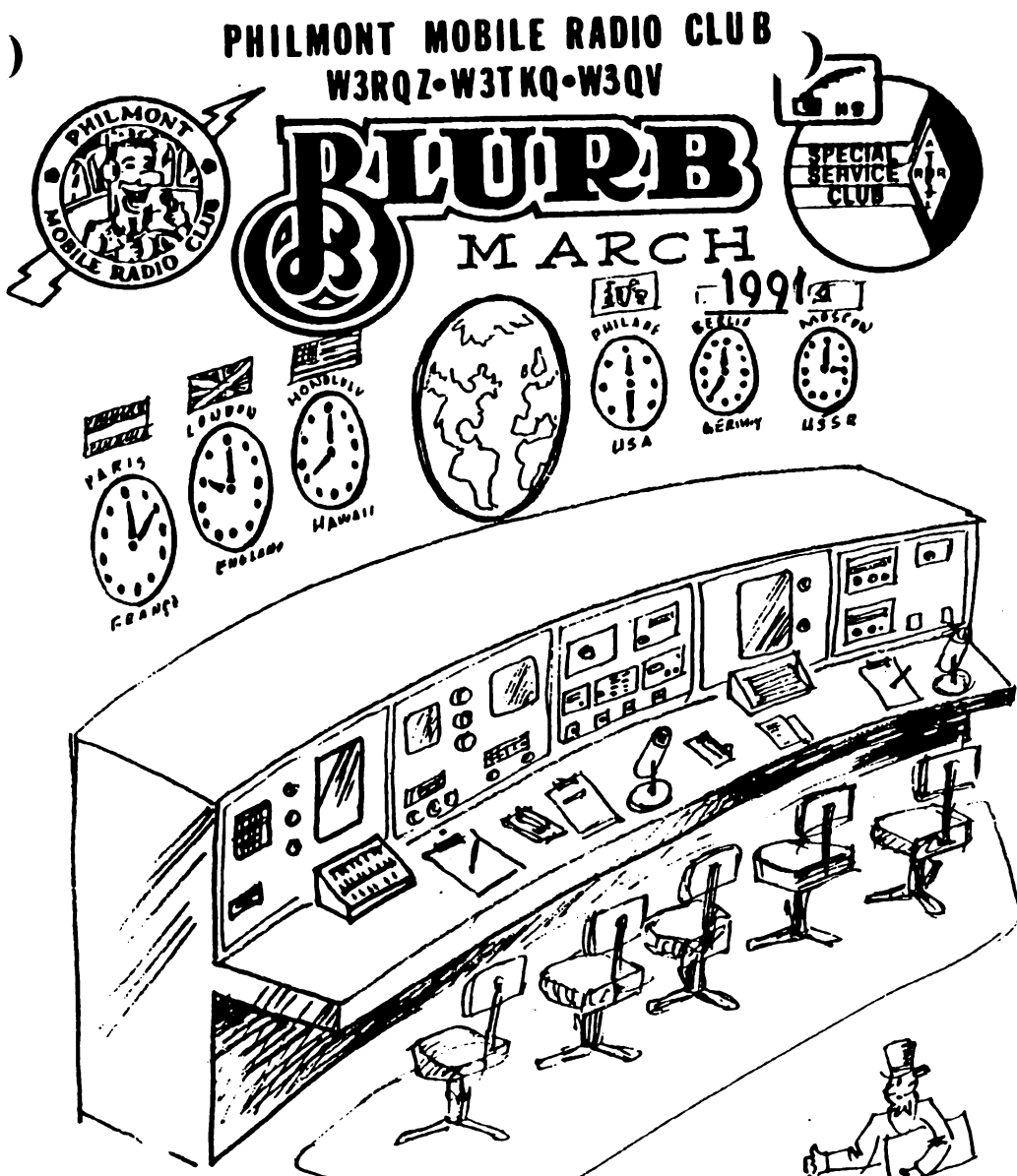


FIRST CLASS MAIL



A Publication of
THE PHILMONT MOBILE RADIO CLUB, INC.
 2113 EDGEHILL DRIVE, FURLONG, PA 18925

THE BLURB



The NEW TKQ



THIS REPRESENTS A POSSIBLE CONCEPT
 OF PHILMONT'S NEW W₃TKQ AT THE
 FRANKLIN INSTITUTE

is published monthly by, and for, the members of **The PHIL-MONT MOBILE RADIO CLUB, INC.** whose purpose is to promote Amateur Radio in general, and Mobile Radio in particular. Copying and quoting is permitted with a credit line. We gladly exchange publications with other amateur radio clubs; requests should be sent to the Editor. BLURB subscriptions are available to non-members for \$10.00 addressed to the Treasurer. The club meets at **7:30 PM on the first non-holiday WEDNESDAY** of every month at The Franklin Institute, 20th Street and the Benjamin Franklin Parkway, Philadelphia. Use the Winter Street (north side) entrance.

ALL VISITORS ARE WELCOME!

Amateur Radio License Examinations - the first non-holiday THURSDAY of every month at The Franklin Institute - doors close at 6:30 PM-SHARP!

CLUB INFORMATION

- 24 Hour Information Number at W3TKQ - **(215) 448-1139**

Repeater frequencies: 147.03 & 444.80 MHz - Simplex frequency: 147.51 MHz
Mailing Address: P.O. Box 88, Abington, PA 19001

STATIONS

W3QV - 147.03 MHz. Repeater - 8200 Ridge Avenue, Philadelphia, PA - Trustee W3BBB

W3RQZ - 1176 Old York Road, Abington, PA - Trustee W3VVS

W3TKQ - The Franklin Institute, Philadelphia, PA - Trustee W3PWG

ALL LICENSED AMATEURS ARE WELCOME TO OPERATE W3TKQ.

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VICE PRESIDENT: N3GLH, Brad Swanson, 517 Cresheim Valley Road, Wyndmoor, PA 19118 (215) 836-2473

SECRETARY: N2RM, Rob Moore, 9U Rose Rita Terrace, Hammonton, NJ 08037 (609) 561-4459

TREASURER: KB3IV, Ed Masarsky, 15 Poe Avenue, Wyncote, PA 19095 (215) 572-5238

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W3BBB (92); KC2HX (92); AK2I (91); W3IIM (A); K3KUD (91); W3RM (A); W3UY (A)

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DX: WA3AUN
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Membership: W3IIN
Net Control: KB3IV
Program: N3GLH
Publicity: ----
Refreshments: N3FVI

Repeater: W3BBB
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TVI: WA3AUN
VE Program: ND3Q
W3TKQ: W3PWG
Welcome: W3VVS

Special Liaison to The Franklin Institute: AK2I

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N3DHI, K3GBA, WB3KOJ

DEADLINE: To be assured of publication in the current month, all copy **MUST** be in the hands of the Editor at the Bored of Directors' Meeting!

NET SCHEDULE

SUNDAY	09:30	147.030	MHz FM	"SUNDAY MORNING 2 METER NET"
	10:00	28.993	MHz SSB	"10-ON-10 NET"
	10:20	3.993	MHz SSB	75 METER NET
TUESDAY	20:00	147.030	MHz FM	CW PRACTICE NET



APPLE BYTES

Don Gordon, WB3KOJ

MARCH BIRTHDAYS

- 01 Robert G. Forrester - NS3Z
- 03 Austin K. Gutman - W3FOG
Elaine Spencer (XYL W3BBB)
- 06 Marilyn Miller (XYL K3KNH)
Lydia Vold (XYL W3SGR)
- 07 June Faye (XYL W3RCE)
- 09 Fayette Toren (XYL W2GMA)
- 11 Gale Ackerman (XYL WA3AUN)
- 16 Kay Craigie - KC3LM
- 17 William F. Bubeck - W3YHV
- 18 Robert Ricker - N3EAY
- 21 Benjamin Roeshman - W3LKI
Paul H. Trueax - WF2X
- 24 Edward S. McVaugh - W3LEM
- 25 Perry T. Blum - N3AXJ
Jerrie Haldeman (XYL W3PST)
- 26 Anna Madara (XYL W3PWG)
- 27 Lillian Shapiro (XYL WA3IFQ)
- 29 Ted Coats NZ3Q
- 31 Ted J. Lada N3FTZ

HELP PHIL-MONT

Are you planning to join **ARRL** or renew your current membership?
Help Phil-Mont by joining or renewing through the club.
Contact **KB3IV** for the details.

DIRECTORY UPDATE

FINAL CALL (Honest for real) ... if you have any changes for the 1991 PMRC Directory, or want to make any changes in your information (Birthdays etc.) let me know **NOW!** '91 Directories will be mailed with next month's BLURB.

EMERGENCY

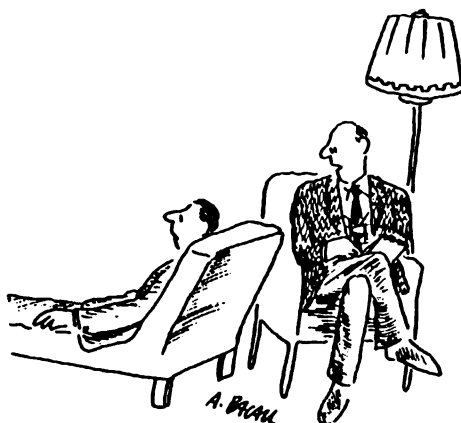
Due to the announced engagement of one daughter, and the impending announcement of the other, KB3IV urgently requests the immediate remittance of your dues through **1998!**

REPEATING

Sam Kuncovich is getting interested in preparing for his VE test... KB3IV planning a double wedding — saves money that way... 'KOJ attended his quadrennial meeting recently — heard his buddy, 'EQW was coming-up for a vote on re-membership. Actually, he just wanted to meet Stuart... "Big Fat Mouth" has moved to Arizona — stay in touch, Roger — send ten bucks for a *BLURB* subscription... We have an advertising flyer for the VE tests at The Institute. Anybody wanna help distribute it?

From the ARRL Letter:

- The 80-meter Novice band will move on March 16 to 3675-3725 KHz. Higher class licensees should remember that their power limit in this range is also 200 watts output.
- How many thousands of check marks have *you* made in Heathkit assembly manuals? Sad to say the end has come, as Heath has left the kit business (their stocks are currently being advertised at reduced prices). Heath will concentrate on home-study courses, home automation equipment, and assembled units, according to sources in the company.



"But everyone has obsolete computers they bought last year."

AMATEUR LICENSE EXAMS HELD ON THE FIRST
NON-HOLIDAY **THURSDAY** OF EVERY MONTH
Registration begins at 6:00 PM
Doors close at 6:30 PM sharp
THE FRANKLIN INSTITUTE



For Information Call ND3Q at
(215) 482-0386 or 879-0505
Accessible by the handicapped.



The PREZ SEZ

Bill Popovic, N3FVI

The FCC is listening. The fines recently levied on several packet BBS operators on 20 meters demonstrate the FCC is doing their job. I'm sure our friends in Oxford Valley are working overtime monitoring phone patches and all other communications to the Gulf crisis area.

The FCC has the authority to QRT all American amateur stations. I imagine the operator whose QSO causes the shut down would become a rather unpopular person. I have noticed while listening to some 4x stations, they carefully avoid any reference to the Gulf war. The

part 97 regulations permit some disclosure of information, but if national security endangerment is perceived, I think the peacetime rules would be superseded, and all HF operation shut down. I wouldn't disclose any information received over the air, and avoid the topic on the HF bands.

I hope, for all our troops' sake, the crisis will end soon, and they all return home safely. Hopefully emergency communications won't be necessary, but if large numbers of casualties are sent to area hospitals, amateurs will be called upon.



*** UPDATE ***

Mar 6 **General Meeting Speaker:**
The World's Greatest Restorer
of National Radios

H. Paul Bohlander, W3VVS

Mar 7 License Examinations
Mar 20 Directors' Meeting at
KB3IV & N3GLU's

Apr 3 **General Meeting**
Apr 4 License Examinations
Apr 17 Directors' Meeting at
W3GQD's

May 1 **General Meeting**
May 2 License Examinations
May 15 Directors' Meeting at
AK2I's

CLUB INFORMATION

24 Hour Information Number at W3TKQ
(215) 448-1139

V.E. TEST LOCATIONS

Confirm all information, in advance, with the contact person. Licensed applicants must bring their original license and one photocopy of it. All applicants, including children, must present positive ID. Also bring the original of any Certificate of Successful Completion needed to prove current status. The ARRL VEC's 1991 test fee is \$5.25; there is no charge for a Novice test.

BELLMAWR, NJ
Monthly, 3rd Thursday
Bill Helmatag
(609) 546-7710

BRYN MAWR
Saturday, Feb. 9
Bob Haase, W3SA
(215) 293-1919

CENTER CITY PHILA.
Monthly, 1st Thursday
Dusty Rhoads, ND3Q
(215) 482-0386
(215) 879-0505

LEVITTOWN
Dave Munson, NM3K
(215) 788-7515

PERKASIE
Monthly, 3rd Monday
Warren Erdman K3ZXQ
(215) 679-5764

WARMINSTER
Last Wed., Odd Months
Tom Michaud, WA3TQJ
(215) 343-3494

HAMFESTS

Mar 2 **ABSECON, NJ**
(Sat) Shore Points ARC

Mar 3 **DOVER, PA**
York Springfest

Mar 16 **FLEMINGTON, NJ**
(Sat) Cherryville RA

Mar 24 **TRENTON, NJ**
DVRA

Apr 6-7 **TIMONIUM, MD**
Baltimore ARC

Apr 14 **WILMINGTON, DE**
Delmarva Hamfest Assn.

Apr 26-28 **DAYTON**
HAMVENTION

May 19 **WRIGHTSTOWN, PA**
Warminster ARC

Club" - is often a place for skippers to chat about the latest boats, the latest projects they have for their own boats and the best places to cruise on the Chesapeake. It is also an electronic meeting place for humor, current affairs discussion and traffic reports, but more often than not, the talk turns to things aquatic.

The master of ceremonies for this group is Holly Bevan, an energetic woman who took up amateur radio when she retired from teaching in Anne Arundel County elementary schools. Holly maintains order, reports on traffic, and takes emergency calls from the mobile stations that check-in to the group each morning.

Amateur radio and boating go together naturally. Cruisers can arrange to call at a prearranged time and frequency to maintain contact with home, even when they are at sea hundreds or thousands of miles away. Ham radio is a security lifeline for many sailors who venture beyond the range of marine VHF. That makes it no surprise that Holly's Breakfast Club is seasoned with salty hams.

"N3BMB, this is N2IBM. I had some problems going to windward last weekend in those heavy winds. Does anybody have any suggestions?"

A discussion of centerboard settings, jib trim and tacking angles followed. Newcomers to sailing can get lots of advice here.

The AARC handles communications among the official boats and the public address system for Chesapeake Appreciation Days at Sandy Point [State Park], as well as for the annual Bay Bridge Swim and other large events. Public service is a big thing in amateur radio.

When we cruised the lower Chesapeake last summer, we kept a 6 p.m. "sked"

(schedule) with Glenn, N3HUV, a fellow ham we met on the morning commuter net. In this way, we were able to maintain indirect contact with my wife's mother, who lives alone, as we cruised. We had the security of knowing that if she needed us we would be in touch with a mutual unseen friend who could call, even if we were in a remote cove.

The AARC offers another service on summer weekends: the Chesapeake Bay Weather and Service Net. Each Saturday and Sunday at 11 a.m. and 3 p.m., a net control station takes calls from hams all around the Bay who report their current weather conditions. At the same time, skippers may ask a land-based station to call home to assure families that the crew is all right or to say that they will be a few hours late. Non-ham boaters with scanners aboard can listen in and find out about local weather conditions. It is a valuable service, and even the National Weather Service listens-in to find out what's happening on the Chesapeake.

A Federal Communications Commission license is required to operate an amateur radio station and many clubs offer licensing classes during the winter. The requirements are not too tough; you must be able to receive Morse Code, understand the international rules that apply to ham radio, and know a bit of electronic theory. Bright eight-year-olds, and folks in their seventies, have done it.

It takes a month or two of study to pass the exam. Then you can get "on the air" and join the crew. There are no fees to enter this lifetime hobby that blends so beautifully with boating. You can even enjoy it when your vessel is iced in for the winter.

Chesapeake Bay Magazine

HAM AT HOLLY'S

Traffic and boating tips are standard fare for commuters

It is nearly 7 a.m. and the 147.105 MHz amateur radio repeater station in Davidsonville, Maryland, is alive with conversation among drivers who carry amateur radio transceivers in their cars. It sounds something like this: "K3ORC, this is K3NDM in the Annapolis Narrows (the construction zone on Route 50). Tom, we're going over to the Wye River this weekend for a raftup. Care to join us?"

"K3NDM from K3ORC. Thanks, Barry, but we'll be away, so we'll have to make it another time. Today looks like a good day to sail, though. The wind's southerly at about 10 knots here at the Bay Bridge. Holly, how's your son's cruise going?"

"Oh, he's fine. They made it to Solomons [Island] yesterday and are waiting

for good weather to continue south. We have a schedule to keep track of them by radio as they go down the Intracoastal Waterway. Dave, how are you this morning? This is N3BMB."

"Good morning, Holly. Well, it's another day. I varnished the teak on Charming Catherine Saturday, and we went up the Patuxent [River] on Sunday. Had a great day. Sure was more fun than driving through Wayson's Corner like this. N3BMB, this is K3KM."

This sort of exchange is common among the "hams," or amateur radio operators who frequent the powerful repeater station maintained by the Anne Arundel Radio Club (AARC). Many of the club's members are active boaters, and the morning net "Holly's Breakfast



MINUTES

FEBRUARY GENERAL MEETING

The February General Meeting was held at the Franklin Institute on February 6, 1991, and was presided over by our President, N3FVI.

KB3IV reported on the expanding Treasury.

N3DHI said that he and W3BBB spent 6 hours at the Repeater and they got it working quite well.

N3FVI still needs some hosts for Mid-Month Meetings. Please contact him if you want to have one.

AK2I reported on the rapidly changing activities at W3TKQ. He said that now funds for all 5 consoles have been provided. The donors include KC2HX and N2CYA; Kay Craigie, KC3LM, and her husband Carter, KD3AO; W3HQP; W3AA; and one anonymous donor. Jake also said that other donations include a computer from N2KSX and carpeting through W3LKI.

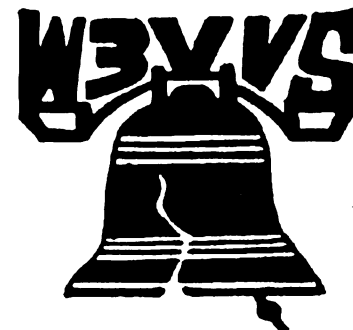
Jake said that additional volunteer operators are needed at the station, especially on weekends. He said that heat would be installed in the station as well as a bay window so interested visitors could see what was going on.

Arnie, KC2HX is in the process of preparing a call-up list in case there is an emergency in which it might be needed.

N3GLH introduced Bob Brown, the Executive Director of the North American Short Wave Association who presented an interesting and informative talk on short wave listening. For anyone interested, Bob said that they have a net that meets every Sunday at 10 AM on 7,240 LSB.

There were 37 attendees including 13 visitors.

Respectfully Submitted,
Robert R. Moore, N2RM; Secretary



ANTIQUE RADIO RECEIVERS

PROGRAM by Paul Bohlander, W3VVS

The 35mm color slide program will include early amateur loose-coupler tuners dating from 1914, crystal sets, and battery-powered receivers, of the 1920s, AC receivers of the 1930s to small table-model AC-DC receivers of 1942.

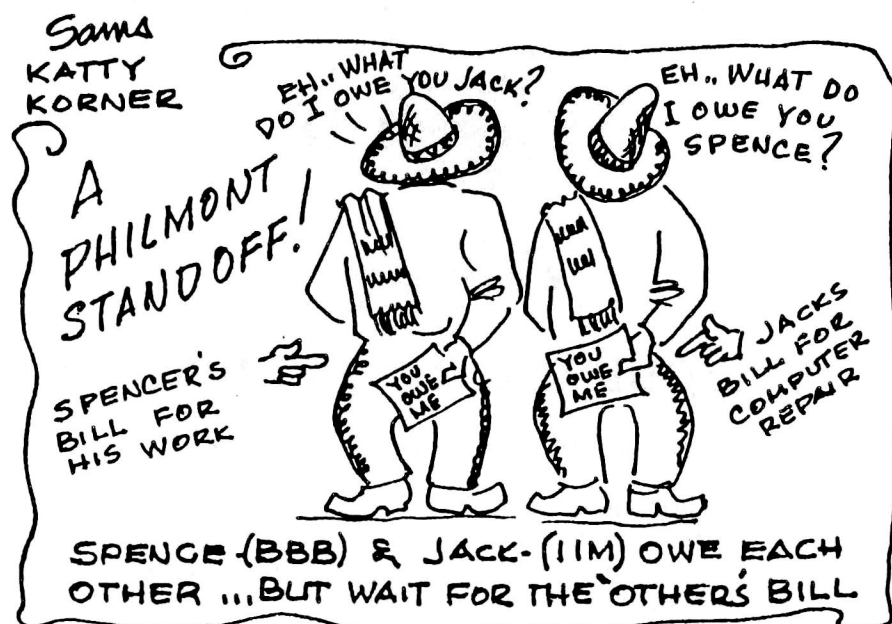
70th MONTHLY VE SESSION STATISTICS FEBRUARY

15 candidates pass 17 elements
9 upgrades

Name	Call	From	To
Eric Brill	KA3YKO	Novice	General
John Caraher	KA3YCX	Novice	Technician
Daniel Haas			Technician
John Hutnick			Technician
Ruffin Lassiter			Technician
Jules Markowitz			Technician
Adrian Rodriguez			Technician
John Scott	WA3YNP	Technician	General
William Thompson	KA3WTD	Novice	Technician

Congratulations to all, and to the members of our VE team:

ND3Q Dusty Rhoads, Chairman
W3FZR Niel Leone
NZ3Q Ted Coats
W3RM Richard Moll
W3VVS Paul Bohlander



MIDDLE EAST SHORT-WAVE BROADCASTS ENGLISH LANGUAGE

TIME (EST)	STATION	FREQUENCY (kHz)				
intermittent	Military	6750	(USB)			
intermittent	Haifa	10046	(USB)			
intermittent	British Intelligence	9251	(USB)			
0000	Israel - KOL	7410	7465	9435	11605	17575
0430	BBC	15205	17695	21735		
0600	Baghdad, Iraq	11860	21675			
0600	Israel - KOL	11585	17575	17590	21790	
0600	Voice of Peace, Iraq	11860				
0630	Iran	9575	9705	11715	11790	
0700	Amman, Jordan	13655				
0715	Cairo, Egypt	17595				
0830	Voice of Turkey	17785				
0830	BBC	15195	15205	17695		
0920	Amman, Jordan	9560				
1100	Saudia Arabia	9705	9720			
1130	Cairo, Egypt	15255				
1200	Baghdad, Iraq	11869	21675			
1200	Voice of Peace, Iraq	1860				
1300	Kuwait Radio	13610				
1315	Israel - KOL	11585	11655			
1430	Iran	6035	9022			
1500	Israel	7465	9435	11605	17630	
1500	Clan, Iraq Resistance	9568				
1505	Damascus, Syria	9950	12085	15095		
1530	Cairo, Egypt	15375				
1600	Baghdad, Iraq	11860	13660			
1600	Voice of Turkey, Turkey	9795				
1610	Damascus, Syria	9950	12085	15095		
1615	Cairo, Egypt	9900				
1730	Israel - KOL	7465	9435	11605	17575	
1800	Voice of Turkey	9445	9685	17760		
1900 - 2100	Voice of Israel	11585	11605	12077	15615	
1930	Radio Moscow	6045	7150			
1930 - 2130	BBC	5965	6175	9590	11775	
1901	Israel - KOL	7465	9435	11605		
2030 - 2230	Baghdad Radio	9515				
2100	Cairo, Egypt	9475	9675			
2100	Israel - KOL	7465	9435	11605		
2100	BBC for British Troops	7125	9590	13745		
2130	Baghdad, Iraq	11810	11830			
2230	Cairo, Egypt	9475	9675			
2255	Voice of Turkey	9445	17760			
After dark	Radio Moscow	9720	9895	12050	17720	17700

Sussex ARA and others

Sun Spots

As hams, we chart sun spots over their well known eleven-year cycle to predict HF propagation. The current peak of Cycle 22 is the second highest in the 200 year history of sun spot record keeping (second only to 1957-59). Even more interesting is a special solar phenomenon, which occurred last between 1810-1820, and before that between 1623-1633. It will again occur over the next ten years.

The absolute gravitational center of the planetary system is not generally located at the exact center of the sun. This is because the planets exert significant gravitational force, and they "unbalance" the solar system because of their orbital positions. The sun actually rotates around this center, not its own, independent center. But the gravitational center is normally somewhere within the sun.

When the gravitational center drifts outside the body of the sun itself, because of the combined positions of the planets, the sun is then revolving around the imaginary center like a planet. Normally when this occurs, nothing unusual happens. However, now the sun happens to be rotating opposite to its normal direction.

Over the next two years, the gravitational center will drift to nearly exactly the center of the sun. This will happen while the sun is rotating in the opposite direction as the revolution of the planets. Because the combined force of the planets is greater than that of the sun, over the next ten years, the sun's rotation will slow to a stop, change its direction of rotation, then speedup.

The stresses on the sun during the slowdown, change of direction, and speedup are expected to cause unusually large flares and spots, resulting in magnetic storms on earth and creating havoc with the ionosphere over the next ten years.

Global Communications via W3PXY

Apple Computer Files Proposal With FCC For Radio Spectrum

Apple Computer Inc. said it filed a petition with the Federal Communications Commission to allocate a part of the radio spectrum for the exchange of computerized data.

Apple said FCC approval of its petition would open up a new era where computers transmit and receive data over radio waves without the aid of wires.

Other computer companies also are working on transmitting data via radio waves and have been given use of limited frequencies by the FCC. Apple, however, said it wants the FCC to allow computer communications exclusively on 40 megahertz of the radio frequency bandwidth, between 1850 and 1990, to transmit data at high speeds over distances of as much as 150 feet.

"We believe it is essential that computer users have access to this vital communications resource in the future," said John Sculley, Apple's chief executive officer, in a statement.

Earlier this month, another Apple executive disclosed that the company was developing a portable "companion" computer that would send data to a host, desktop computer over radio waves. Michael Spindler, Apple's chief operating officer, said Apple hasn't decided to introduce such a product, but that he believed it was technically feasible and could benefit businesses and schools by allowing people to take advantage of computers on the move, within their offices or schools. The device would work much like a remote television channel changer, sending data to a desktop computer in the same way a remote control switches channels to skip a commercial.

Wall Street Journal

PHASE II BEGINS

The fund raising for the new operating console at W3TKQ took less than 30 days to accomplish, and to all the members donating, we thank you very much. For the record, those members donating the \$500.00 were in order:

- Dr. Arnold and Sue Sadwin KC2HX and N2CYA
- The second donation was "Anonymous"
- Lester and Grace Burket W3HQJ
- Carter and Kay Craigie KD3AO & KC3LM
- Hal and Marian Fox W3AA and WA3YJR

To these couples goes the reward which is yet to come — The realization that their donations were the cornerstone upon which W3TKQ was reborn.

Phase Two of the Donation program is now underway, for W3TKQ is more than just the Operating Console. Many other pieces of smaller, yet vital, items need to be interfaced with those major items donated by the Kenwood and Icom Corporations. Here are some of the items Phase Two will be hoping for:

- PK232 Interface for Packet, RTTY, Amtor and Facsimile.
- IBM compatible computer for Amtor, Facsimile, etc.
- Printer for Packet and Rtty
- Interface Software programs for satellite tracking
- VGA Color Monitors for computer systems - Two each
- Antenna systems for Satellite work
- Clocks, Flags, Coaxial Cable, Paint, Dropped Ceiling
- Additional Transceiver for guest position

Here's how Phase Two will work: The donors' names and call signs will appear on a special large plaque located in W3TKQ, under the heading Major Contributors, and alongside the call sign will be the item that person was dedicating in his or her name.

Our present plans call for the station to be closed officially for renovation on May 1, 1991, and hopefully reopened on June 1, with a dedication ceremony at which I hope to have as many dignitaries as possible. For example all the Console donors will be asked to attend, along with all Phase Two donors. Representatives from ARRL: Mr. Dave Sumner, the Executive Vice President; Mr. Hugh Turnbull, the Eastern Director; Kay Craigie, the Eastern Vice Director will be there in several capacities, along with the Directors of the Franklin Institute including Mr. Henry Disston, whose constant direction makes this all possible; and members of the local television and the press.

Phase Two - will one be you?

THE W 3 T K Q REPORT

by
Jake Kovalchek,
AK2I

The Foundation For Amateur Radio



Washington, DC

AMATEUR RADIO NEWS RELEASE

For Immediate Release

THE FOUNDATION FOR AMATEUR RADIO, INC., a non-profit organization with headquarters in Washington, D.C., plans to award thirty-six (36) scholarships for the academic year 1991 - 1992 to assist licensed Radio Amateurs. The Foundation, composed of fifty local area Amateur Radio Clubs, fully funds five of these scholarships with the income from grants and its annual Hamfest. It administers, without cost to the donors, seven (7) scholarships for the Quarter Century Wireless Association, four (4) for the South Milwaukee Amateur Radio Club; three (3) each for the Baltimore, (MD) Amateur Radio Club, the Radio Club of America, and the West Allis Radio Club of Milwaukee, (WI); and two (2) each for the Dade (FL) Radio Club, the Amateur Radio News Service, and the 10-10 International Net. It also administers one (1) each for the Richard G. Chichester Memorial, the Young Ladies' Radio League, the Columbia (MD) Amateur Radio Association, the Frederick (MD) Amateur Radio Club, the Vienna (VA) Wireless Society, and the Kevin B. Perdue Memorial.

Licensed Radio Amateurs may compete for these awards if they plan to pursue a full-time course of studies beyond high school and are enrolled in or have been accepted for enrollment at an accredited university, college or technical school. The awards range from \$500 to \$2000 with preference given in some cases to residents of specified geographical areas or the pursuit of certain study programs. Clubs are encouraged to announce these opportunities at their meetings, on their nets, during training classes, and in their club newsletters.

Additional information and an application form can be requested by letter or QSL card, postmarked prior to May 31, 1991 from:

FAR Scholarships
6903 Rhode Island Avenue
College Park, MD 20740

The Foundation for Amateur Radio, incorporated in the District of Columbia, is an exempt organization under Section 501(c)(3) of the Internal Revenue Code of 1954. It is devoted exclusively to promoting the interests of Amateur Radio and those scientific, literary and educational pursuits that advance the purpose of the Amateur Radio Service.

CARE AND FEEDING OF YOUR PET HAM

The pet ham is one of the most intelligent of pets, often seeming almost human. The following is a short guide to things you should know about caring for your pet ham.

Living area - Your pet ham should have a private area of its own where it will not be disturbed. It will spend many happy hours alone there with its collection of treasures (boxes, wires, bits of metal, glass, paper, plastic, etc.). It should be encouraged to confine its activities to this nest room to protect the rest of the house from its natural tendencies towards noise, clutter, and making holes in the walls.

Expenses - Raising your pet ham can be an expensive hobby. However, unlike most pets, the pet ham can be trained to work outside the home for short periods and

so bring in enough money to cover part or all of its expenses.

Feeding - The well-behaved pet ham will be able to eat with the family on occasion, but it feels more comfortable and secure taking many of its meals in the privacy of its nest room.

Housekeeping - Pet hams can usually be trained to use the family bathroom facilities.

Obedience training - Most pet hams can be trained to respond to a few simple commands ... the easiest to teach are 'sit' and 'speak.' Once your pet ham has learned these behaviors, it will sometimes practice them on its own for hours at a time.

[Condensed from Southern Counties ARA (NJ) newsletter] via MARC



KA3AMO's dilemma

FCC WILL REALLOCATE SPECTRUM TO ACCOMMODATE LEADING-EDGE SERVICES

By KATHLEEN KILLETTE

WASHINGTON-The FCC is preparing to embark on an ambitious mission to reallocate a hefty chunk of the nation's airwaves in order to speed the commercial availability of innovative, radio-based services.

In a speech to Los Angeles area businessmen, FCC Chairman Alfred Sikes said the FCC will create a radio frequency spectrum reserve and will relocate some of the current licensees to accommodate new services, such as worldwide mobile communications via low-orbit satellites, compact-disc-quality digital radio broadcast directly from satellites to cars, and personal communications services (PCS).

"A failure to allocate spectrum to new, innovative services is the equivalent of prohibiting the introduction of those services," Sikes said in an interview last week with Communications Week prior to his departure for Los Angeles.

The FCC will initiate either a formal rulemaking proceeding, or an inquiry, when it finishes studying current spectrum usage - probably by the end of this year, he added. It will probably be at least a year after that before the public sees any new services.

Also last week, the FCC proposed reallocating unused maritime radio frequencies for the development of interactive video data services. But the overall scarcity of unused frequencies has prompted Sikes to explore the feasibility of reallocating as much as 300 megahertz (MHz) so companies can respond to customer demand for new services, he noted in the interview.

Meanwhile, House Energy and Commerce Committee Chairman John Dingell (D-Mich.) may soon reintroduce legislation

to force the government to relinquish 200 MHz of underutilized spectrum.

Sikes also told the California business executives that the FCC will adopt a "pioneer's preference" system that "will give a procedural leg up to those who propose a significant service innovation." The FCC will "place a premium on inventiveness - on real technical innovations, not on creative financing or marketing," he noted in the interview.

Sikes said the FCC is preparing to award experimental PCS licenses to some cable companies to use radio links to give users an alternative to conventional phone service.

Last week, Philadelphia based cable television operator Comcast Corp. proposed the first such system, in which a PCS network would be linked not only to Comcast's cable TV distribution systems, but also to the company's cellular networks. Other companies also are eager to test the limits of their technical expertise in new markets.

Apple Computer Inc., Cupertino, Calif., plans to ask the FCC early next week to allocate spectrum for a data-only PCS that would let personal computer users exchange high-speed data via radio waves.

Motorola Inc., Schaumburg, Ill., has tested the technical potential of wireless local area networks, but it has not been able to secure suitable spectrum for commercial introduction of such a system.

Other policy-makers are interested in the deployment of new radio-based services. The National Telecommunications and Information Administration launched an inquiry into spectrum usage more than a year ago and will issue a report next month. *Communications Week*

\$ AMATEUR RADIO NEXT?

VHF radio license regulation clarified

By Richard Cain, Staff Writer

There has been quite a bit of confusion among boaters lately about the Federal Communications Commission's (FCC) law requiring all boats equipped with a VHF radio to be licensed.

The law itself, however, is quite clear. It is a new fee and the variety of licenses available that has left many local boaters feeling fog bound.

All vessels equipped with VHF radios, "from dinghies to supertankers," must have a Ship Radio Station License, No. 506, to operate a VHF radio in domestic waters, according to Steve Ferguson, an official at the FCC office in Tampa.

The license costs \$35, is good for five years and is non-transferable, which means if a person sells his old boat and buys a new one he must also cancel his old station license and apply for a new one. Each renewal also costs \$35.

Any boater traveling in international waters and entering a foreign port is required to have a Restricted Radio Operator Permit No. 753, in addition to his or her station license. This license also costs \$35 and covers any pleasure boater who, for example, wants to sail to the Bahamas for a vacation.

In the past, the FCC required all boaters to have operator's licenses (which were free at the time) regardless of where they sailed.

This requirement was changed in 1986.

However, now that there is a \$35 fee for each license, the FCC has pleasure boaters reaching for their wallets, especially if they want to travel to a foreign port.

With the introduction of the licensing fees in January of this year, came increased enforcement of the regulations by the U.S. Coast Guard.

Boaters found to be in violation of federal licensing regulations, or cited for unlawful use of VHF equipment, can be hit with fines of up to \$10,000 or one year's imprisonment.

The Coast Guard will check for required licenses during any routine safety inspections or sanctioned boarding.

Additional licenses may be required for commercial vessels, depending on where they operate.

To obtain application forms for either a station (No. 506) or operators license (No. 753), call 1-202-632-FORM and leave your name, address, and form number needed.

For other information regarding licenses call 1-202-632-7272. For information regarding applicable fees, call 1-202-632-FEES.

Island Reporter (SW Florida)

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SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
3 2M NCS AK2I 10M NCS ANYONE 75M NCS W3PWG <i>York Hamfest</i>	4 <i>U.S. Constitution 1789</i>	5 CODE PRACTICE NET at 8 PM	6 GENERAL MEETING at The Franklin Institute Refreshments at 7:00 PM Meeting starts at 7:30	7 LICENSE EXAMS at The Franklin Institute Registration begins at 6:00 Doors close at 6:30 PM <i>sharp!</i>	1	2 <i>Absecon Hamfest</i>
10 2M NCS N3FTY 10M NCS ANYONE 75M NCS W3AOA	11	12 CODE PRACTICE NET at 8 PM <i>Girl Scouts Founded 1912</i>	13	14	15 <i>Andrew Jackson 1769</i>	16 <i>Flemington Hamfest</i>
17  2M NCS K3JJO 10M NCS ANYONE 75M NCS W3RCE <i>St. Patrick's Day</i>	18	19 CODE PRACTICE NET at 8 PM <i>Swallows arrive at San Juan Capistrano, Cal.</i>	20 DIRECTORS' MEETING at KB3IV & N3GLU's <i>Spring Equinox</i>	21 <i>J.S. Bach born 1685</i>	22	23
24 2M NCS NS3Y 10M NCS ANYONE 75M NCS AK2I <i>Trenton Hamfest Palm Sunday</i>	25	26 CODE PRACTICE NET at 8 PM	27	28 <i>Blurb Folding</i>	29 <i>Good Friday</i>	30 <i>Passover</i>
31 2M NCS W3BBB 10M NCS ANYONE 75M NCS W3HFY <i>Easter</i>			<i>Time is nature's way of keeping everything from happening all at once.</i>			

AMATEUR RADIO LICENSE EXAMINATIONS

at

The FRANKLIN INSTITUTE

20th. Street and the Benjamin Franklin Parkway
Philadelphia

Monthly, every first non-holiday Thursday

Registration at 6 PM

Doors close at 6:30 PM *sharp*

For more examination information, call Dusty Rhoads, ND3Q, at

(215) 482-0386 or (215) 879-0505

Sponsored by The Phil-Mont Mobile Radio Club, Inc.

For more club information call our 24 hour message center at W3TKQ

(215) 448-1139

Accessible by the handicapped



You should confirm all information, in advance, with the contact person. Licensed applicants must bring their original license and one photocopy of it. All applicants, including children, must present positive ID. Also bring the original of any Certificate of Successful Completion needed to prove current status. The ARRL VEC's 1991 test fee is \$5.25; there is no charge for a Novice test.